Welcome to Version 6.0

New Software Upgrade for the WatchGuard DV-1 In-Car Video System

Dear WatchGuard Customer:

We proudly present the new Version 6.0 software update for the WatchGuard DV-1 in-car video system(s), plus a new version of the Fleet Manager Utility program. Version 6.0 is the first major upgrade since June of 2008 (Version 5.0) and contains the much anticipated and highly valuable feature, Record-After-the-Fact, as well as other new features, system improvements, and important fixes.

Items Included with this Upgrade Kit:

Software

- WatchGuard DV-1 Version 6.0 Software Update CD
- WatchGuard Fleet Manager Utility, Version 3.5 Install CD

User Manuals

- DV-1 User Manual (as printable PDF on software CD)
- Fleet Manager Utility (as printable PDF on software CD)

Additional Information and Instructions

- Important Version 6.0 Installation Instructions
- Detailed Version 6.0 Release Notes
- Menu Navigation Guide
- A Laminated DV-1 Quick Reference Guide for Version 6.0 (Call if you need additional Quick Reference Guides)

IMPORTANT!

Version 6.0 takes about 10-15 minutes to install. Please, take the recommended precautions and follow the installation instructions EXACTLY. Should you have any questions or concerns, please don't hesitate to contact Customer Service at:

1-866-384-8567

WATCHGUARD

DIGITAL IN • CAR VIDEO

New Features:

Record-After-the-Fact

Video on the hard drive can now be added as a record event giving the user the ability to "go back in time" for up to 40 recorded hours to define a new event.

Screen Saver

The DV-1 can be set to turn off the display if the unit is idle (there are no key presses) for a specified time. The screen saver can also be disabled during a recording or automatically exited when a recording begins.

Enhanced DVD Menu

The Selected Officer name and the first Event Tag answer have been added below each thumbnail on the DVD menu. This allows the viewer to more readily find the event of interest.

Re-Burn Selected Event

Previous versions of DV-1 software allowed for an entire DVD to be duplicated. In version 6.0, individual recorded events can be duplicated. This allows the user to perform a "single title copy": insert a new DVD, duplicate a single recorded event, and eject the DVD.

Over/Under Temperature Shutdown

Once the system has started, if the temperature is or becomes above or below the safe operating temperature range, then the system will shutdown. The safe operating temperature range for the DV-1 is -20 °C to 80 °C (-4 °F to +176 °F).

Video Review Access Levels

Video review can now be restricted to supervisors or the administrator. Also, the definition of the "current DVD" can be set to be when a DVD is ejected or when a new DVD is inserted.

International Language Support

Included in the latest release is support for multiple languages allowing the DV-1 menus to be translated into most any language. For more information on this new feature, please contact your local sales representative.

Version 6.0 Installation Instructions

Upgrading Your WatchGuard DV-1 Firmware to Version 6.0

Before beginning the firmware upgrade, it is essential that the DV-1 is in an operational state and any current DVD has been finished and ejected. You will need a new DVD following the upgrade.

To upgrade the firmware in your DV-1, follow these steps PRECISELY;

STEP 1. Ensure the vehicle is running during the entire upgrade process. Power on your DV-1. Hold down the **STOP/QUIT** key to eject any DVD+RW disc in your system. Your system should display "**Insert Disc**."

STEP 2. Insert the update CD labeled **6.0** into the DVD drive of your DV-1 and wait for the system to detect the upgrade disc, (this should take about 30 seconds)

STEP 3. Your system should display that it has detected **UPGRADE SOFTWARE**. Press the **YES** key to start the firmware upgrade process and to begin loading files. Please be patient. It should take about **10-15 minutes to upgrade** the system and it will **restart automatically 2 times** during the upgrade.

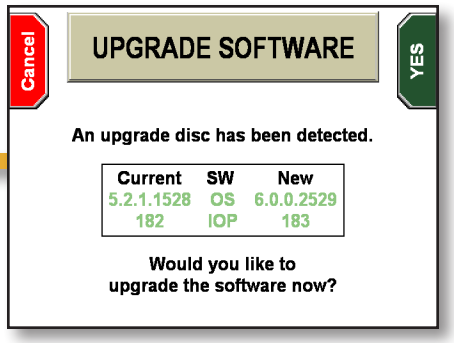
STEP 4. After the upgrade is complete and the system restarts for the last time, it should display the new **UPGRADE SOFTWARE** screen. If your new current version matches the versions on the disc, then press **Cancel** to eject the disc. If they DO NOT match, press **YES** to reinstall the upgrade.

STEP 5. Replace the 6.0 Software Upgrade disc with a new blank DVD+RW disc, and let the system format the disc.

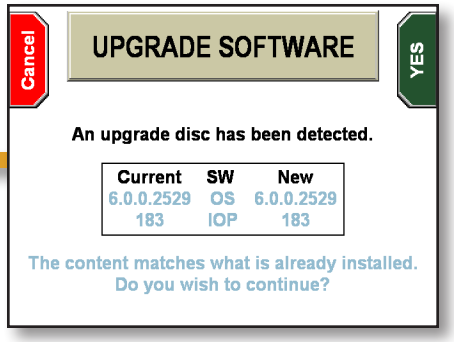
STEP 6. You can verify all of the software versions from the Status Info/System screen:
Press **MENU**> **STATUS INFO**> **SYSTEM**.

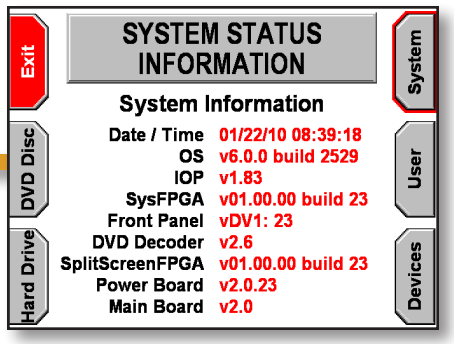
Your OS Version should now show v6.0.0 Build #2529, and the IOP v1.83. (May not show "Power Board" information).

First time, press "YES".



Second time, press "Cancel".





If you have any problems during the upgrade, please call customer service at

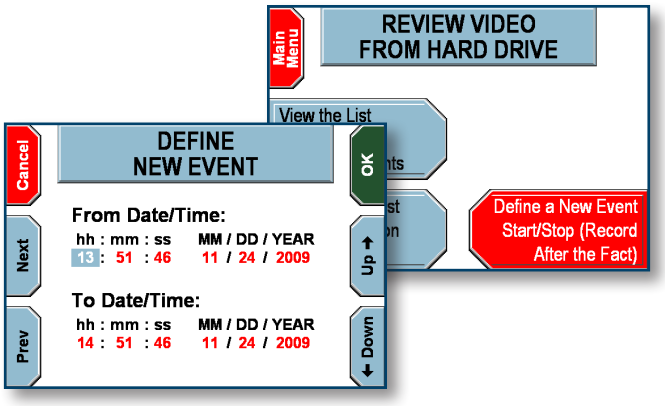
1-866-384-8567

DV-1 Version 6.0 Release Notes

New Features

Record-After-the-Fact

It happens all too frequently that an in-car camera system was not recording what later is found out to be valuable video evidence. Any agency with in-car camera experience, even digital in-car cameras, can point to several incidents when the camera was not recording something of value, or the incident was not a high enough priority to require the officer to enable a recording. Record-After-the-Fact allows users and/or administrators (depending on permission levels) to create a new record event from video that is stored on the DV-1's internal hard drive buffer. By entering a start and stop time, the DV-1 will automatically create and burn a new record event with all of the video between those two times. As long as the DV-1 is powered up, it is recording video to its internal hard drive buffer. Although not burned to DVD, this video can remain in the buffer days after it was recorded. As long as the video is viewable in the DV-1's Video Review, it is possible to burn to DVD using Record-After-the-Fact.

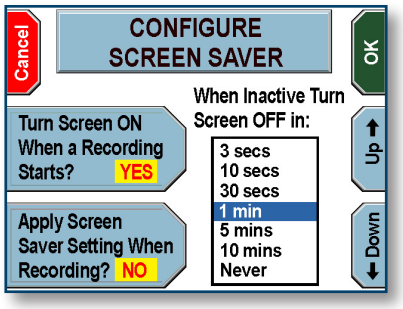


Re-Burn a Single Record Event

Along with the advent of Record-After-the-Fact, users and/or administrators (depending on permission levels) will have the ability to re-burn a single record event onto a new DVD without having to make a single title copy of the original. The re-burned event will be identical in composition as the original event. The only difference is that it will be the only event on that DVD.

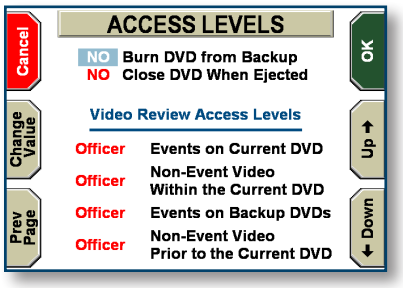
Screen Saver Mode

Much like your computer, the DV-1 can automatically darken the LCD monitor after a pre-set period of inactivity. Unlike the DV-1's dark mode, screen saver leaves the LED indicators on so users may still see the status of important system components such as microphone and camera activity. Screen saver is a user preference, meaning that in your shared vehicles, this setting will be saved uniquely for each officer. In addition to the amount of time before activating, screen saver has two other settings that set how the screen saver behaves during a recording and when a recording is activated. Officers may modify the screen saver settings by pushing the "Display" button on the DV-1.



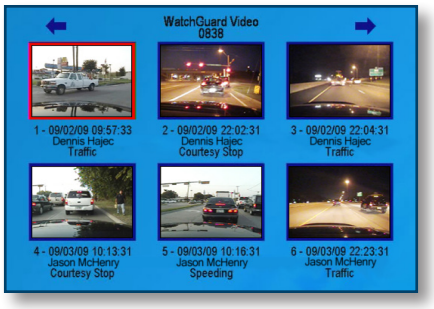
Video Review Access Permission Levels

Prior to Version 6.0, users could review any buffered video on the hard drive. Version 6.0 introduces Access Permission Levels allowing agencies to control Video Review. There are four types of video stored on the buffer; events on the current DVD, non-event video within the current DVD, events on backup DVDs, and non-events prior to the current DVD. For each type, you may now control access by Officer, Supervisor, or Admin. By default, all are set to "Officer," matching the current DV-1 behavior. Another new setting has been added; Close DVD when ejected (Yes/No). By default this is set to "No," which matches the current DV-1 behavior. If set to "Yes," the event and non-event video related to the ejected DVD are immediately transferred to the Backup DVD status and are no longer associated with the "current DVD." This behavior immediately closes the DVD requiring it to be erased before being re-used in the DV-1.



Enhanced DVD Chapter Menu

The DV-1 supports multiple Officers per DVD as well as metadata event tags. When playing DVDs burned in a 6.0 or later DV-1, the Officer name of each record event will be displayed under the thumbnail image on the chapter menu. In addition, the answer to the first event question or category will also be displayed. This will allow for faster navigation of the DVD during playback.

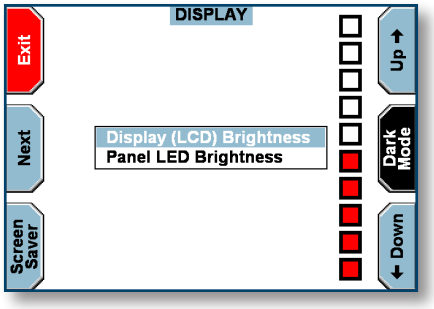


Other Features

• Architectural Support for International Languages

• Dark Mode Updates

- Dark Mode button color changed to black
- DV-1 no longer exits dark mode upon record activation.



• Updates to the Fail-safe Flash Bank

- Increase the number of flash boot attempts from 3 to 10 before failing over to backup flash bank
- Allow the "software has reverted" message to be dismissed

• Ability to Change the DV-1's IP Address

If the DV-1 is set to its default IP address <(192.168.100.123)>, then the internal DHCP server will also be enabled, allowing for easier Laptop connections using Fleet Manager Utility. If the IP address is changed, the DHCP server is automatically disabled.

Continued Improvements to System Reliability

Greater Protections Against Excessive Temperatures

While operating, if the DV-1's internal temperature reaches +80 °C (+176 °F), an orderly shutdown will automatically take place in order to protect the DV-1 against damage, possibly permanent, that would likely ensue. This new feature better protects the DV-1 against the dangers of operating in such extreme temperatures.

Night View/Dark Mode Behavior

When the DV-1 automatically switches to Night View while in Dark Mode, the panel LED indicators illuminated improperly. This has been resolved.

Editing Event Tags

When an event tag is edited through Video Review, the changes were not written to DVD until the next recording. If the DVD was ejected prior to another event being recorded, the changes were never made. This behavior has been modified to update the DVD prior to being ejected.